AMENDMENTS TO THE CLAIMS

Without prejudice, please amend the claims as reflected in the following listing of claims, which will replace all prior versions, and listings, of claims in the application:

1.	(Currently Amended) Apparatus to heat for heating a bitumen	
froth by steam comprising:		
	i. a source of steam;	
	ii. an inline a heater body comprising a bitumen froth inlet for	
	receiving bitumen froth, a steam inlet in communication with the source	
	of_for receiving_steam, and a mixture outlet_all_in_common	
	communication with each other;	
	iii. — a baffle disposed across the mixture outlet; and	
	iv. an elongate-a static mixer body having first and second spaced	
	ends and forming a passageway therethroughextending between the	
	first and second ends, wherein the first one end of the passageway-is	
	in communication with the mixture outlet, the static mixer body	
	supporting a plurality of baffles disposed to effect a mixing action of	

wherein the apparatus is operably configured to direct substantially all of the bitumen froth and steam out the second end of the static mixer body.

2. (Original) The apparatus of claim 1 wherein the baffles are disposed within the static mixer body to impart a lateral, radial, tangential or circumferential directional component to a material flow through said static

material flowing through the passageway thereof;

mixer passageway that changes repeatedly along the length of the passageway.

- (Currently Amended) The apparatus of claim 1 further <u>comprising</u> including-a steam flow control valve to control the-<u>a</u> rate of steam supply to the steam inlet from a steam source.
- 4. (Currently Amended) The apparatus of claim 3 further <u>comprising</u> including-a temperature transmitter disposed to measure the <u>a</u> temperature of material flowing through the passageway of the static mixer <u>thereby</u> forming a closed loop control system of the steam flow control valve responsive to the measured temperature.
- 5. (Currently Amended) The apparatus of claim 1 further <u>comprising</u> including—a steam flow pressure control valve to control the—a_pressure of steam supply-supplied to the steam inlet from the-a steam source.
- 6. (Currently Amended) The apparatus of claim 5 further <u>comprising</u> including-a pressure transmitter disposed to measure the pressure of steam <u>supply-supplied</u> from the <u>steam flow</u> pressure control valve <u>thereby</u> forming a closed control system of the steam flow pressure control valve to maintain the pressure of the steam supplied to the steam inlet.
- 7. (Currently Amended) The apparatus of claim 1 further comprising including:

condensate source:

iia condensate mixer operably configured means to mix the a
condensate with the steam from the steam source; and

iii. —a condensate flow control valve to control the a supply of the condensate to the mixing means condensate mixer.

- 8. (Currently Amended) The apparatus of claim 7 further comprising including-a temperature transmitter disposed to measure the a temperature of a steam supply to the steam inlet thereby forming a closed loop control system of the condensate flow control valve to control the supply of the condensate to the steam supply to the steam inlet responsive to the measured temperature.

 9. (Currently Amended) Apparatus to heat for heating a bitumen froth by steam comprising:

 i. a source of steam;

 ii. an inline a heater body comprising a bitumen froth inlet for receiving bitumen froth, a steam inlet in communication with the source
 - ii. an inline—a heater body comprising a bitumen <u>froth</u> inlet <u>for</u> receiving bitumen froth, a steam inlet in communication with the source of <u>for receiving</u> steam, and a mixture outlet—all—in common communication with each other;
 - iii.—a steam pressure flow control valve to control the-a pressure of steam supply-supplied to the steam inlet from the-a steam source;
 - iv. a condensate source;
 - v. means a condensate mixer operably configured to mix the a condensate with the steam from the steam source;
 - vi.—a condensate flow control valve to control the a supply of the condensate to the condensate mixermixing means;
 - vii.—a steam flow control valve to control the <u>a</u>rate of steam supply to the steam inlet from the steam source:
 - viii. a baffle disposed across the mixture outlet; and

ix. an elengate a static mixer body having first and second spaced ends and forming a passage extending between the first and second endstherethrough, one—wherein the first end of the passage is in communication with the mixture outlet, the static mixer body supporting a plurality of baffles disposed to effect a mixing action of material flowing through the static mixer:

wherein the apparatus is operably configured to direct substantially all of the bitumen froth and steam out the second end of the static mixer body.

- 10. **(Original)** The apparatus of claim 9 wherein the baffles are disposed within the static mixer body to impart a lateral, radial, tangential or circumferential directional component to a material flow through said passage that changes repeatedly along the length of the static mixer passage.
- 11. (Currently Amended) The apparatus of claim 9 further <u>comprising</u> including-a temperature transmitter disposed to measure the-a temperature of material flowing through the passage-of-the-static mixer-proximal to the <u>second</u> end of the passage-remote from the end in communication with the mixture-outlet forming a closed loop control system with the steam flow control valve to control the supply of steam to the material-to-obtain a target output temperature of the material-flow-leaving the-static mixer.
- 12. (Currently Amended) The apparatus of claim 9 further <u>comprising</u> including a pressure transmitter disposed to measure the <u>a</u> pressure of steam supply—supplied to the steam inlet from the steam source forming a closed loop control system of the steam pressure flow control valve to control the supply of steam to the steam inlet responsive—in response to the measured pressure.
- 13. (Currently Amended) The apparatus of claim 9 further including comprising a temperature transmitter disposed to measure the a temperature of steam supply—supplied to the steam inlet forming a closed loop control

system of the condensate flow control valve to control the supply of condensate to the mixing means <u>in response</u> responsive—to the measured temperature.

14 to 24. (Cancelled)

- 25. **(New)** The apparatus of claim 1 further comprising a steam source operably configured to deliver steam to the steam inlet at about 90 psi.
- 26. **(New)** The apparatus of claim 3 wherein the steam source is operably configured to deliver steam to the steam flow control valve at about 90 psi.
- 27. (New) The apparatus of claim 5 wherein the steam source is operably configured to deliver steam to the steam flow pressure control valve at about 90 psi.
- 28. **(New)** The apparatus of claim 9 wherein the steam source is operably configured to deliver steam at about 90 psi.